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Evolium S.A.S.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☐ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 263 653 A (MECKLENBURG FRANK H) 21 April 1981 (1981-04-21) * abstract; figure 2 * * column 10, line 52 - column 12, line 42; figures 6,7,11,12 * ---	1,2	G01R27/06 H04B17/00 <i>nh</i>
X	US 6 289 216 B1 (KIM WAN-SOO ET AL) 11 September 2001 (2001-09-11) * abstract; claims 15,25; figures 3,6 * ---	1,8-10	
X	US 6 029 051 A (OESTERBERG MAGNUS ET AL) 22 February 2000 (2000-02-22) * column 4, line 23 - line 41; figure 2 * ---	1	
X	US 3 020 529 A (TURNER DANIEL L) 6 February 1962 (1962-02-06) * column 1, line 48 - line 55; figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01R H04B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 10 April 2003	Examiner Jakob, C
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 36 0381

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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Proposed is a method of calculating the Voltage Standing Wave Ratio (VSWR) of a radio frequency transmission line (16) which is operatively coupled with a first (22) and a second directional coupler (24), the first directional coupler (22) developing a first voltage indicative of the forward power propagating along the radio frequency transmission line (16) in a first direction, the second directional coupler (24) developing a second voltage indicative of a reflected power propagating along the radio frequency transmission line (16) in a reverse direction. The method is characterized by the steps of, in a second stage of installation, collecting values of the first and the second voltage, combining at least one correction value with the second voltage to form a corrected second voltage, and forming the Voltage Standing Wave Ratio on the basis of the first voltage and the corrected second voltage. The correction value may be obtained in a calibration process in a first stage of installation. Further, a base station in a mobile communication system implementing this method is disclosed.